

# SEQUENCE LISTING

<110> GLUCKSMANN, Maria A.

MEYERS, Rachel

KAPELLER-LIBERMANN, Rosana

SILOS-SANTIAGO, Inmaculada

<120> 22437, A NOVEL HUMAN SULFATASE AND USES THEREFOR

<130> 10147-61U1

<140> NOT YET ASSIGNED

<141> 2001-10-03

<150> US 60/257,082

<151> 2000-12-21

<160> 12

<170> PatentIn Ver. 2.1

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 Ala Phe Val Thr Thr Pro Met Cys Cys Pro Ser Arg Ser Ser Ile Leu  
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 Thr Gly Lys Tyr Val His Asn His Asn Thr Tyr Thr Asn Asn Glu Asn  
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 Asn Gly Val Lys Glu Lys His Gly Ser Asp Tyr Ser Lys Asp Tyr Leu  
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 Thr Asp Leu Ile Thr Asn Asp Ser Val Ser Phe Phe Arg Thr Ser Lys  
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 Lys Met Tyr Pro His Arg Pro Val Leu Met Val Ile Ser His Ala Ala  
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 Pro His Gly Pro Glu Asp Ser Ala Pro Gln Tyr Ser Arg Leu Phe Pro  
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 Asn Ala Ser Gln His Ile Thr Pro Ser Tyr Asn Tyr Ala Pro Asn Pro  
 245 250 255  
 Asp Lys His Trp Ile Met Arg Tyr Thr Gly Pro Met Lys Pro Ile His  
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<213> Homo sapiens

<400> 12

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Gly Val Lys Glu Lys His Gly Ser Asp Tyr Ser Lys Asp Tyr Leu Thr  
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Asp Leu Ile Thr Asn Asp Ser Val Ser Phe Phe Arg Thr Ser Lys Lys  
210 215 220

Met Tyr Pro His Arg Pro Val Leu Met Val Ile Ser His Ala Ala Pro  
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Glu Leu Asp Asn Thr Tyr Ile Val Tyr Thr Ala Asp His Gly Tyr His	325	330	335	
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Asp Ile Arg Val Pro Phe Tyr Val Arg Gly Pro Asn Val Glu Ala Gly	355	360	365	
Cys Leu Asn Pro His Ile Val Leu Asn Ile Asp Leu Ala Pro Thr Ile	370	375	380	
Leu Asp Ile Ala Gly Leu Asp Ile Pro Ala Asp Met Asp Gly Lys Ser	385	390	395	400
Ile Leu Lys Leu Leu Asp Thr Glu Arg Pro Val Asn Arg Phe His Leu	405	410	415	
Lys Lys Lys Met Arg Val Trp Arg Asp Ser Phe Leu Val Glu Arg Gly	420	425	430	
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Ser Tyr Val Arg Ser Arg Ser Ile Arg Ser Val Ala Ile Glu Val Asp  
545 550 555 560

Gly Arg Val Tyr His Val Gly Leu Gly Asp Ala Ala Gln Pro Arg Asn  
565 570 575

Leu Thr Lys Arg His Trp Pro Gly Ala Pro Glu Asp Gln Asp Asp Lys  
580 585 590

Asp Gly Gly Asp Phe Ser Gly Thr Gly Gly Leu Pro Asp Tyr Ser Ala  
595 600 605

Ala Asn Pro Ile Lys Val Thr His Arg Cys Tyr Ile Leu Glu Asn Asp  
610 615 620

Thr Val Gln Cys Asp Leu Asp Leu Tyr Lys Ser Leu Gln Ala Trp Lys  
625 630 635 640

Asp His Lys Leu His Ile Asp His Glu Ile Glu Thr Leu Gln Asn Lys  
645 650 655

Ile Lys Asn Leu Arg Glu Val Arg Gly His Leu Lys Lys Lys Arg Pro  
660 665 670

Glu Glu Cys Asp Cys His Lys Ile Ser Tyr His Thr Gln His Lys Gly  
675 680 685

Arg Leu Lys His Arg Gly Ser Ser Leu His Pro Phe Arg Lys Gly Leu  
690 695 700

Gln Glu Lys Asp Lys Val Trp Leu Leu Arg Glu Gln Lys Arg Lys Lys  
705 710 715 720

Lys Leu Arg Lys Leu Leu Lys Arg Leu Gln Asn Asn Asp Thr Cys Ser  
725 730 735

Met Pro Gly Leu Thr Cys Phe Thr His Asp Asn Gln His Trp Gln Thr  
740 745 750

Ala Pro Phe Trp Thr Leu Gly Pro Phe Cys Ala Cys Thr Ser Ala Asn  
755 760 765

Asn Asn Thr Tyr Trp Cys Met Arg Thr Ile Asn Glu Thr His Asn Phe  
770 775 780

Leu Phe Cys Glu Phe Ala Thr Gly Phe Leu Glu Tyr Phe Asp Leu Asn  
785 790 795 800

Thr Asp Pro Tyr Gln Leu Met Asn Ala Val Asn Thr Leu Asp Arg Asp  
805 810 815

Val Leu Asn Gln Leu His Val Gln Leu Met Glu Leu Arg Ser Cys Lys  
820 825 830

Gly Tyr Lys Gln Cys Asn Pro Arg Thr Arg Asn Met Asp Leu Gly Leu  
835 840 845

Lys Asp Gly Gly Ser Tyr Glu Gln Tyr Arg Gln Phe Gln Arg Arg Lys  
850 855 860

Trp Pro Glu Met Lys Arg Pro Ser Ser Lys Ser Leu Gly Gln Leu Trp  
865 870 875 880

Glu Gly Trp Glu Gly  
885